

Electric Bill Calculator in C

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This C program calculates the total electricity bill based on the number of units consumed using tiered rates (10, 15, and 20 KSh per unit).

```
#include <stdio.h>

float calculateElectricBill(int units) {
    float bill = 0;

    if (units <= 100) {
        bill = units * 10;
    }
    else if (units <= 200) {
        bill = (100 * 10) + ((units - 100) * 15);
    }
    else {
        bill = (100 * 10) + (100 * 15) + ((units - 200) * 20);
    }

    return bill;
}

int main() {
    int units;
    printf("JUSTICE KIPTOO CHIRCHIR.\n");
    printf("PA106/G/28715/25\n");
    printf("ELECTRIC BILL CALCULATOR\n");
    printf("=====\n");
    printf("Enter units consumed: ");
    scanf("%d", &units);

    float totalBill = calculateElectricBill(units);
    printf("Total bill amount: KSh. %.2f\n", totalBill);

    return 0;
}
```